

- DAVIS, B. J.: Disc electrophoresis II. Methods and application to human serum proteins. — Ann. N.Y. Acad. Sci. **121** : 404–427, 1964.
- EVANS, L. T.: Inflorescence initiation in *Lolium temulentum* L. VI. Effect of some inhibitors on nucleic acid, protein and steroids biosynthesis. — Aust. J. bot. Soc. **17** : 24–35, 1964.
- KHURANA, J. P., MAHESHWARI, S. C.: Induction of flowering in duckweeds by salicylic acid. — J. ind. bot. Soc. **57** : 102, 1978.
- KNYPL, J. S.: Dependence of IAA and coumarin induced growth on ribonucleic acid and protein synthesis. — Nature **206** : 844–846, 1965.
- KOHLI, R. K.: Studies on the physiological and biochemical changes associated with floral induction in *Amaranthus*. — Thesis submitted to the Guru Nanak Dev University for Ph. D. degree, 1978.
- LOWRY, O. H., ROSEBROUGH, N. J., FARR, A. L., RANDALL, R. J.: Protein measurement with the Folin-phenol reagent. — J. biol. Chem. **193** : 265–275, 1951.
- NANDA, K. K., KUMAR, S., SOOD, V.: Effect of gibberellic acid and some phenolic compounds on flowering of *Impatiens balsamina* L., a qualitative short day plant. — Physiol. Plant. **38** : 53–56, 1976.
- OOTA, Y., UMEMURA, K.: Specific RNA produced in photoperiodically induced cotyledons of *Pharbitis nil* seedlings. — In: BEERNER, G. (ed.): Cellular and Molecular Aspects of Floral Induction. Pp. 224–242. Longman, London 1970.
- PIETERSE, A. H., MÜLLER, L. J.: Induction of flowering in *Lemna gibba* G₃ under short day conditions. — Plant Cell Physiol. **18** : 45–53, 1977.
- SAWHNEY, S., SAWHNEY, N., NANDA, K. K.: Gel electrophoretic studies of proteins from leaves of photo-induced and vegetative plants of *Impatiens balsamina*. — Plant Cell Physiol. **17** : 751 to 755, 1976.
- SHERWOOD, S. B., EVANS, J. O., ROSS, C.: Gel electrophoretic studies of proteins from leaves of photoperiodically induced and vegetative cocklebur plants. — Plant Cell Physiol. **12** : 111 to 115, 1971.
- STILES, J. J. JR., DAVIES, P. J.: Qualitative analysis by isoelectric focusing of the protein content of *Pharbitis nil* apices and cotyledons during floral induction. — Plant Cell Physiol. **17** : 855 to 857, 1976.

BOOK REVIEW

SAUER, H. W.: ENTWICKLUNGSBIOLOGIE. Ansätze zu einer Synthese. — Springer Verlag, Berlin—Heidelberg—New York 1980. 328 pp., 228 figs. Soft cover DM 39,—, approx. US \$ 23.10.

When reading the book by professor Sauer I became sure, that my task is to simply inform the readers of *Biologia Plantarum* about it, not to review it in detail, concerning *e.g.* the particular cases of developmental phenomena given in section one.

My position thus became simple. I could refer to statements on the back cover of the book and declare that all of them are true. Since the book is not available to all the readers of our journal, I will repeat here the most important points.

The work is not a textbook. It is an attempt to summarize the present knowledge of the process of development (which is a great task). The book is divided into three sections. In the first, comprising most of the book, many different cases of developmental processes are brought together. In section two the most prominent investigators in the study of development are enumerated. The third section includes three general and theoretical theses, characterizing *status questionis* and the arguments in favour and against them. Three points seem to be mentioned. 1. Attempts to cover different developmental systems including plants (though to considerably smaller extent). 2. Efforts to underline the participation of non-biologists in the development of contemporary developmental biology. 3. Decision to leave unsolved questions without answer (which anticipates active role of the reader). The book reflects the decline of the optimism of early molecular biologists to govern the problem of development and growth.

It is a pleasure for me to recommend the book to the people seriously interested in developmental biology.

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